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ENGINEER'S CONSTRUCTION OBSERVATION REPORT

Project: Queen's Gap		Project Number: 2013-002
Contractor: Site Development Corporation		Contact at Site: J. Worley
Date: 04/04/2016	Time of Arrival	Weather Conditions: Workable soils.
Notice to Proceed:		Substantial Completion Date:
Previous Rain Days:		Previous Substantial Completion Date:
Rain Days Since Last Report:	Total Rain Days:	Current Substantial Completion Date:

Observations & Notes:

Site inspection for Project 3 and 5 areas.

Project 3 – Work on slope stabilization in the areas adjacent to lot 46 includes tracking and hydro seeding. Matting with rolled erosion control product has not been performed at time of inspection. Slope repairs will be monitored. The contractor has provided work on a portion the existing wattles in ditch lines to remove sediment accumulation and improve shaping of the wattles. One catch basin areas been cleaned and re-seeded. See comments below regarding issues with establishment of groundcover, maintenance and repair work required at this time.

Project 5 - Eamon Drive graded areas have been hydro seeded. No erosion control matting, channel lining material, erosion control devices or storm drainage has been installed at time of inspection.

Erosion control maintenance remains to be completed by Site Development Corp. including; removal of sediment accumulations at catch basins and ditchlines. Maintenance is required on rock check dams, wattles and drop inlet protection. Rolled erosion control matting is not installed correctly in areas and should be re-worked to make contact with the soil and be keyed into top of slopes. Re-vegetation of all denuded areas remains to be completed. Re-vegetate ditchlines in areas that are spare or where vegetation has not been established.

Items remaining to be completed include:

- Re-working channels by repairing lining materials and seeding to establish a permanent vegetative groundcover.
- Repair and restoration of rock check dams. Construct to plan standards and maintain in working order by removing accumulated sediment.
- Establishment of road shoulders and providing permanent vegetative groundcover.
- Repair and restoration of catch basins and Inlet protection materials.

Dalziel Enterprises has restored the cul-de-sac area in Project two area and completed the stream restoration repairs in the area off-site. Additional work is scheduled to complete the restoration work requested by NCDWR at the intersection of the main road and the soil road in Project One area. Seeding, mulching and ditch line matting to be installed.

Post Inspection note: Rick Connor with Site Development reported on 04-06-16 that Site Development Corp. provided a second work crew on-site to install matting on slopes and provide repair work on deficiencies mentioned in this report. Areas will be re-inspected the week of April 11, 2016.

Reported by: Wayne Watkins, CPESC

Project 3 area photos:



Sediment to be removed at rock ckheck dams (typical).



Rock check dams full – remove accumulated sediment, restore to working order. Failing Drop Inlet protection, restore to working order.

Project 3 area photos.



Slope repair in Project 3 area. Area above rip-rap hydro seeded.



Project 3 area photos.



Area in Project 3 – restoration and stabilization required.



New wattle installed. Ditch line repair and restoration is required.